



Mylyn 3.9 Release Review

Planned Review Date: June 12, 2013

Communication Channel: mylyn-dev@eclipse.org

Introduction



- The Mylyn Application Lifecycle Tools Top-Level Project is an open source collaborative software development project dedicated to providing an extensible, standards-based platform to address a broad range of needs of accessing task and application lifecycle management tools and services using the Eclipse platform.
- The mission of the project is to provide:
 - Frameworks and APIs for Eclipse-based task and Application Lifecycle Management (ALM)
 - Exemplary tools for task-focused programming within the Eclipse IDE.
 - Reference implementations for open source ALM tools used by the Eclipse community and for open ALM standards such as OSLC

Overview



- The Mylyn project was created in 2005 as a Technology project and moved to the Tools top-level project in 2007. Mylyn was restructured and promoted to a top-level project in 2010.
- In order to keep up with its rate of adoption, the Mylyn project is continuing to evolve APIs for Application Lifecycle Management (ALM) tools. Since its inception, Mylyn has released multiple times per annual release cycle, and is continuing to do that for Juno.

Release



The Mylyn 3.9 release is contributed to the Eclipse Juno release and includes the following sub-project releases:

- Mylyn Builds 1.1
- Mylyn Commons 3.9
- Mylyn Context 3.9
- Mylyn Docs 1.8
- Mylyn Reviews 2.0
- Mylyn Tasks 3.9
- Mylyn Versions 1.1

Project Plan:

- <http://eclipse.org/projects/project-plan.php?projectid=mylyn>

New Features

- <http://eclipse.org/mylyn/new/weekly.php>

Mylyn Builds



Deliverables included in Mylyn Builds 1.1:

- Builds Framework
- Hudson/Jenkins Connector

Project Plan:

- <http://eclipse.org/projects/project-plan.php?projectid=mylyn.builds>

Supported Build Servers:

- Hudson 2.2.1, 3.0, 3.0.1
- Jenkins 1.466.2, 1.480.3, 1.509.1

New Features:

- Hudson 3.0 and 3.0.1 are supported.
- The latest 3 Jenkins LTS releases are supported.

Mylyn Commons



Deliverables included in Mylyn Commons 3.9:

- Discovery Framework
- Identity Framework
- Interaction Monitoring Framework
- Notification Framework
- Repository Framework
- Transport Framework
- HTTP Transport
- SOAP Transport
- XML-RPC Transport
- UI Toolkit

Project Plan:

- <http://eclipse.org/projects/project-plan.php?projectid=mylyn.common>

New Features:

- The Team Repositories view supports user defined categories.

Mylyn Context



Deliverables included in Mylyn Context 3.9:

- Context Framework
- Java Bridge
- C/C++ Bridge
- PDE Bridge
- Resource Bridge
- IDE Integration

Project Plan:

- <http://eclipse.org/projects/project-plan.php?projectid=mylyn.context>

Deliverables included in Mylyn Docs 1.8:

- EPUB
- HtmlText
- WikiText

Project Plan:

- <http://eclipse.org/projects/project-plan.php?projectid=mylyn.docs>

Supported markup languages:

- Creole, Confluence, MediaWiki, Textile, TracWiki and Twiki.

New Features:

- WikiText now has experimental support for Markdown.
- The WikiText dependency on Mylyn Context has been split out to a separate bundle to enable integrators to consume WikiText tasks integration without pulling in the Task-focused Interface.

Mylyn Incubator



Mylyn Incubator does not do releases by definition and does not participate in Mylyn releases.

Mylyn Reviews



- Deliverables included in Mylyn Reviews 2.0:
 - Gerrit Connector
 - Reviews Framework

Project Plan:

- <http://eclipse.org/projects/project-plan.php?projectid=mylyn.reviews>

Supported Review Systems:

- Gerrit 2.4.2, 2.5.4

New Features:

- Gerrit 2.5 is now supported.
- A new Review navigator view shows all comments of a review across patch sets.
- Rebase is now supported from the review editor.
- Review comments are spell checked.
- Editing is available when a file revision in the review compare editor matches the local workspace.

Mylyn Tasks



- Deliverables included in Mylyn Tasks 3.9:
 - Bugzilla Connector
 - Tasks Framework
 - Trac Connector
- Project Plan:
 - <http://eclipse.org/projects/project-plan.php?projectid=mylyn.tasks>
- Supported Task Repositories:
 - Bugzilla 3.6.13, 4.0.10, 4.2.6, 4.4
 - Trac 0.11.7, 0.12.5, 1.0.1
- New Features:
 - Bugzilla 4.4 is now supported.
 - Trac 1.0.1 is now supported.
 - The IDs of categories of the Task Repositories view are now published as API.
 - Trac tasks can be deleted from the repository.

Mylyn Versions



Deliverables included in Mylyn Versions 1.1:

- CVS Connector
- Git Connector
- Subclipse Connector

Project Plan:

- <http://eclipse.org/projects/project-plan.php?projectid=mylyn.versions>

Non-code aspects(1)



- Localization/externalization
 - The code base has been externalized for Mylyn 3.1.
 - Mylyn is now available for translation via Eclipse Babel.
- User documentation
 - Eclipse help content that is generated from the Wiki has been added for Mylyn 3.1.
 - The webinar on Mylyn 3.0 is the most viewed webinar on Eclipse Live.
 - The web site has been restructured for easier access to Downloads, Support and Getting Started documentation.
- Developer documentation
 - Wiki-based Contributors Guide
 - Wiki-based Integrators Guide

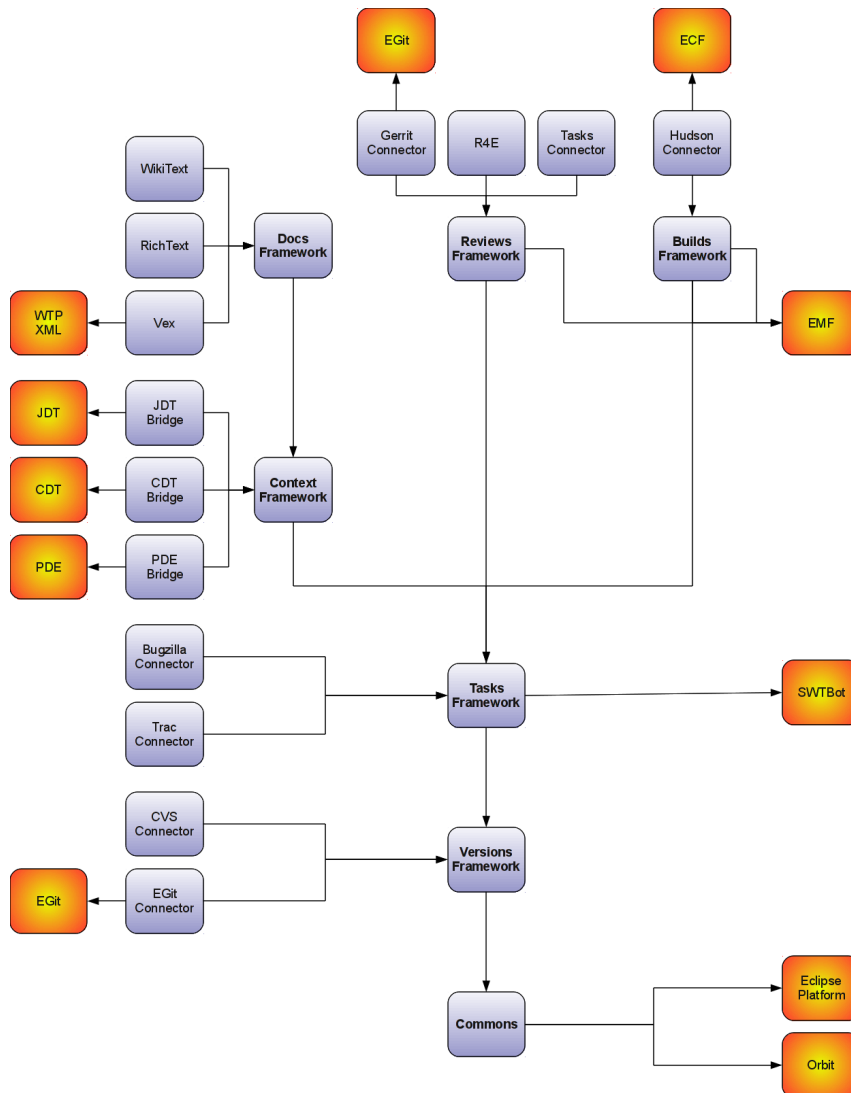
Non-code aspects(2)



- Source Control
 - Source code, including the website content, is managed in Gerrit. Code reviews are encouraged for all changes.
- Release Engineering
 - The build system is based on Maven Tycho.
- Continuous Integration
 - Tests are executed on a regular schedule on the Eclipse.org Hudson instance
 - Test results and build artifacts are available to anyone.

- No breaking API changes from 3.0
- API tooling is used to verify that binary backwards compatibility is maintained and no API regressions are introduced.
- APIs are consumed by 3rd parties who provide regular feedback
- All API changes are tracked in Bugzilla on bugs tagged as [api]
 - Notes on API additions since Mylyn 3.0: http://wiki.eclipse.org/Mylyn/Porting_Guide
- Connector core APIs are available to standalone environments and do not require an OSGi container

Frameworks



- Builds API
- Commons API
 - Repository API
 - Identity API
 - Monitor API
- Context API
- Reviews API
- Tasks API
 - Team API
- Versions API
- WikiText API

Architectural Issues



- Java 1.6 is now the minimum required execution environment for all bundles.
- All bundles now advertise their SCM location in the manifest to support importing from the SCM repository into workspaces.

Tool Usability (Unchanged since 3.0)



- Maturity
 - Constant stream of stable releases
 - Bundled as part of EPP distributions
 - Committers work from HEAD, contributors from weekly builds, community from milestone releases
- User feedback says it best
 - “..arguably the most productivity-enhancing idea since background compilation and all of the things that enables (namely refactoring and syntax highlighting). I just don't know how I ever was able to read and understand the Eclipse sources (or the sources of other large projects I've worked on) before Mylar, it's just that good.” (David Orme)
 - “I would like to commend you on this very good tool. It has increased my productivity by 3 folds - no kidding...” (Deepak Devje)

End-of-Life



Active Streams:

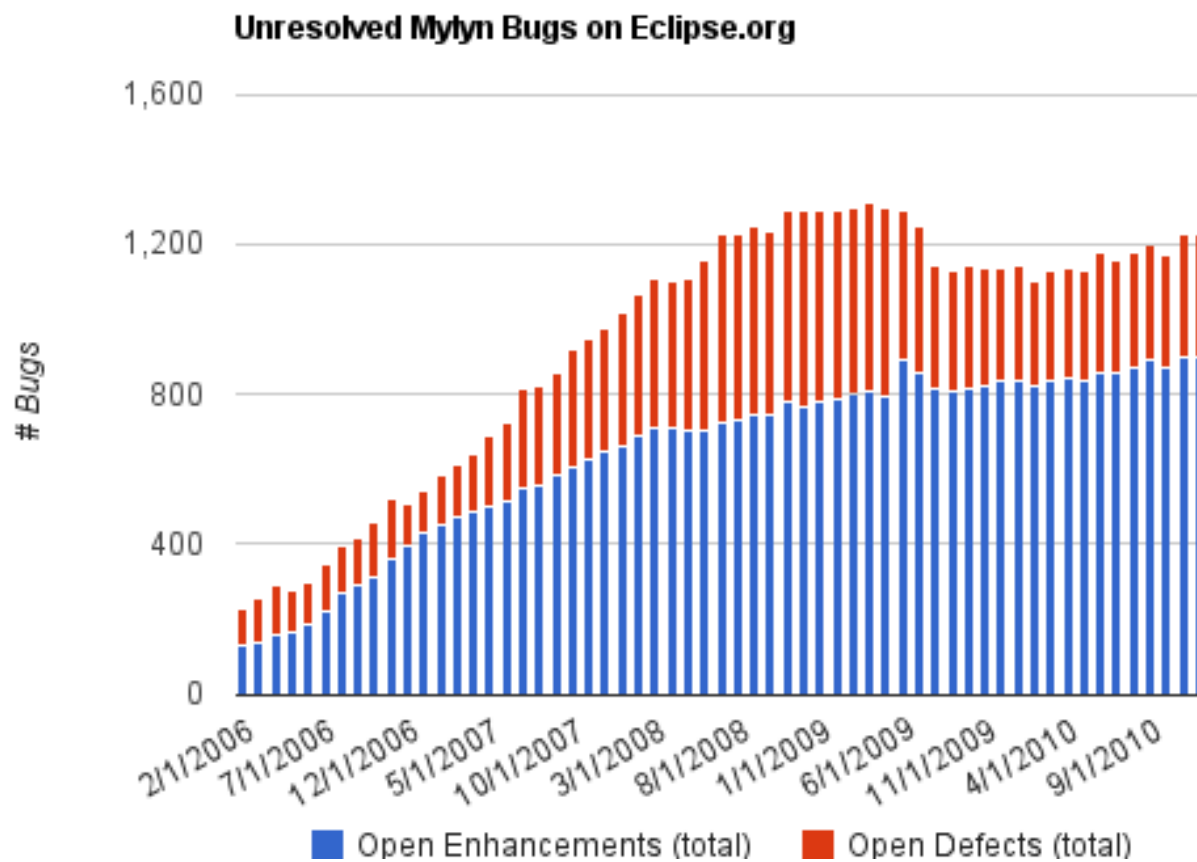
- Mylyn 3.9 supports Eclipse 4.3, 4.2, and 3.8

End-of-Live Streams:

- Mylyn 3.8 supports Eclipse 4.2, 3.8, and 3.7

- Bugs resolved
 - Mylyn 3.9 (June 26, 2013): 231 (as of June 5, 2013)
 - Mylyn 3.8 (June 27, 2012): 88
 - Mylyn 3.7 (March 21, 2012): 341
 - Mylyn 3.6 (June 22, 2011): 91
 - Mylyn 3.5 (March 16, 2011): 324
 - Mylyn 3.4 (June 23, 2010): 171
 - Mylyn 3.3 (Oct. 26th, 2009): 166
 - Mylyn 3.2 (June 24, 2009): 333
 - Mylyn 3.1 (March 4, 2009): 431
 - Mylyn 3.0 (June 25, 2008): 493

Community



Standards



- Mylyn requires J2SE 1.6 (changed in Mylyn 3.9)

UI Usability (Unchanged since 2.1)



- Accessibility
 - No review for this release, but following accessibility guidelines
 - <http://www.eclipse.org/articles/Article-Accessibility/index.html>
- Follow the User Interface Guidelines
 - Focus on consistent visual design, UI elements, icons
 - http://wiki.eclipse.org/index.php/User_Interface_Guidelines
- Validated UI usability with field study
 - For details see:
<http://kerstens.org/mik/publications/2006-11-mylar-fse.pdf>
 - Mylyn Monitor is being used to gather usage feedback: <http://mylyn.eclipse.org/monitor/upload/UsageAnalysisServlet>

Schedule



- Project plan: <http://www.eclipse.org/projects/project-plan.php?projectid=mylyn>

Release	Date	Platform Release	Notes
Mylyn 3.9	June 26, 2013	Eclipse 4.3, 4.2.2, 3.8.2	Kepler
Mylyn 3.9.1	September 27, 2013	Eclipse 4.3.1, 4.2.2, 3.8.2	Kepler SR1
Mylyn 3.9.2	February 28, 2014	Eclipse 4.3.2, 4.2.2, 3.8.2	Kepler SR2



- Users
 - Lively community on newsgroup and bug reports
 - Articles and blogs by community members
- Developers
 - Contributor documentation on Eclipsepedia
 - Lively community on mylyn-dev and bug reports
- Integrators
 - Integrator documentation on Eclipsepedia
 - Separate mylyn-integrators mailing list removes need for integrators to watch the higher-traffic mylyn-dev
 - Specific discussions on “[connector]” and “[bridge]” bug reports, as well as “manage integration with Fooobar” bug reports

Projects and Committers



- Shawn Minto has joined the Mylyn project as a committer.
- Miles Parker has joined the Mylyn Reviews project as a committer.

- Contributions are tracked in Git commits through setting the commit author accordingly or flagged as +iplog as they are applied.
- Aggregated IP log:
 - http://eclipse.org/projects/ip_log.php?projectid=mylyn,mylyn.builds,mylyn.common,mylyn.context,mylyn.docs,mylyn.reviews,mylyn.tasks,mylyn.versions
- Sub-project IP logs:
 - Mylyn Builds: http://eclipse.org/projects/ip_log.php?projectid=mylyn.builds
 - Mylyn Commons: http://eclipse.org/projects/ip_log.php?projectid=mylyn.common
 - Mylyn Context: http://eclipse.org/projects/ip_log.php?projectid=mylyn.context
 - Mylyn Docs: http://eclipse.org/projects/ip_log.php?projectid=mylyn.docs
 - Mylyn Reviews: http://eclipse.org/projects/ip_log.php?projectid=mylyn.reviews
 - Mylyn Tasks: http://eclipse.org/projects/ip_log.php?projectid=mylyn.tasks
 - Mylyn Versions: http://eclipse.org/projects/ip_log.php?projectid=mylyn.versions

IP Log(2)



- Mylyn Commons, Mylyn Context, Mylyn Docs, and Mylyn Tasks ship code that was migrated from the Mylyn tools project for which contributions were tracked in a CSV file located at <http://www.eclipse.org/mylyn/doc/mylyn-iplog.csv>.
- Since the 3.4.3 release contributions are tracked through the automatic IP log but contributions applied in earlier releases are listed in the CSV file. It is planned to flag contributions listed in the IP log for a future release to fully migrate to the automatic IP log.

IP Issues



- None.

Release review version



- These slides are based on the following version of the Release review document
 - Version 032 – January 15, 2006